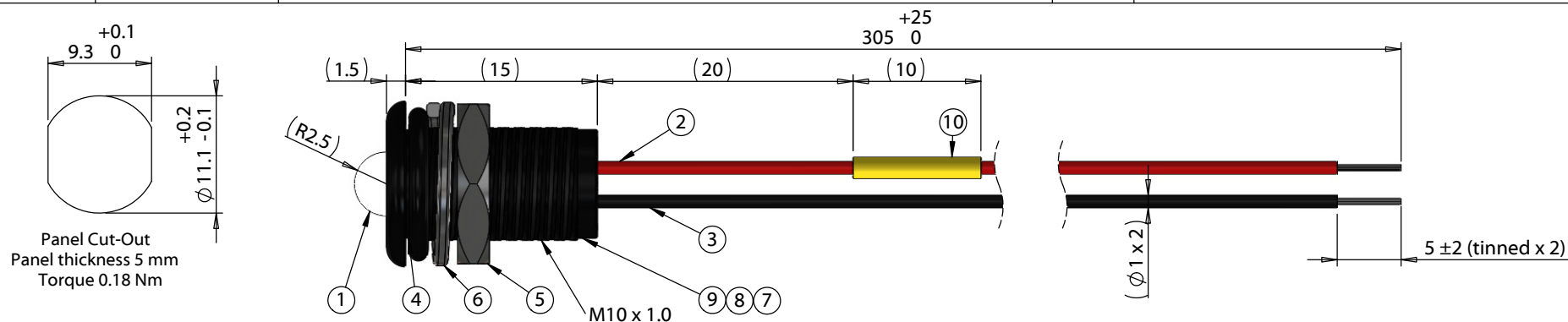
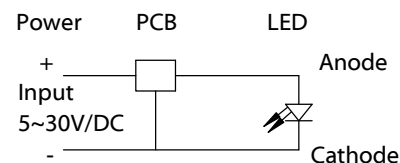


| ITEM NO. | PART NUMBER | DESCRIPTION                                                                    | QTY. | COMPONENT NOTES                                |
|----------|-------------|--------------------------------------------------------------------------------|------|------------------------------------------------|
| 1        | 57-00010    | LED, Ø5x8.3 mm, white, InGaP, 3.0 V, 50°, 20000 mcd                            | 1    |                                                |
| 2        | 30-01772    | Wire, hook-up, TS, 26 AWG, UL 11028, 600V, 105C, 1 mm, mPPE, red               | 1    |                                                |
| 3        | 30-01773    | Wire, hook-up, TS, 26 AWG, UL 11028, 600V, 105C, 1 mm, mPPE, black             | 1    |                                                |
| 4        | 56-00043    | O-ring, Ø9 ID x Ø12 OD x 1.5mm, rubber, black                                  | 1    |                                                |
| 5        | 56-00041    | Hardware, hex nut, 13x2.5 mm, M10x1.0, nickel plated                           | 1    |                                                |
| 6        | 56-00042    | Hardware, washer, lock, 12x10.5x1 mm, SUS, nickel plated                       | 1    |                                                |
| 7        | PCB         | 6.5x3.5x0.6 mm                                                                 | 1    |                                                |
| 8        | IC          | Regulator, HM7530HMR SOT23-3, 5 - 30 V                                         | 1    |                                                |
| 9        | 24-00448    | Overmold, LED, 13x15 mm, IP68                                                  | 1    | Nylon, black                                   |
| 10       | 32-00054    | Heat shrink, 1.4 mm ID, 1 mm OD, 2:1 ratio, 125 °C, UL VW-1, thin wall, yellow | 1    | Yellow heat shrink indicates regulated voltage |



#### LED Properties @ 25 °C, 20 mA (IF)

|                            | Min.      | Typ.       | Max.       |
|----------------------------|-----------|------------|------------|
| Forward voltage (VF)       | 2.8 V     | 3.0 V      | 3.4 V      |
| Reverse current (IR)       | -         | -          | 5 µA       |
| Luminous intensity (IV)    | 8000 mcd  | 20,000 mcd | 25,000 mcd |
| Viewing angle (2θ1/2)      | -         | 50°        | -          |
| Forward current (IF)       | -         | -          | 20 mA      |
| Peak forward current (IFP) | -         | -          | 100 mA     |
| Peak wavelength (λP)       | 1600 nm   | -          | 1800 nm    |
| Operating temp             | -40~80 °C |            |            |



| Wiring Diagram |            |
|----------------|------------|
| 57-000010      | wire color |
| +              | red        |
| -              | black      |

|           |            |                   |                                                 |                                                                                                              |                                                                                                                                                                            |
|-----------|------------|-------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revision: | Date:      | Description:      | Prepared:                                       | Notes:                                                                                                       | <div>TENSILITY</div> <div> tel 1.541.323.3228 800 877.670.7118<br/> fax 1.541.323.4202 web tensility.com </div> <div> Size: A Part number: 12-00032<br/> Scale: 2:1 </div> |
| A         | 04/09/2025 | Initial release   | Verified:                                       | Packaged bulk in static-shielded bag                                                                         |                                                                                                                                                                            |
| A1        | 09/18/2025 | Added heat shrink | Dimensions are in millimeters.                  | RoHS compliant                                                                                               |                                                                                                                                                                            |
|           |            |                   | Tolerances:                                     | Function test: no open, no short circuit, no intermittent                                                    |                                                                                                                                                                            |
|           |            |                   | X: ± 0.5 mm<br>X.X: ± 0.3 mm<br>X.XX: ± 0.05 mm | Description:<br>Cable, 305 mm, white LED 57-00010 to 5 mm tinned, 5-30 V, panel mount, 26 AWG, UL11028, IP68 |                                                                                                                                                                            |

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